

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101019,833
Source: IFWO
Date Processed by STIC: 2/23/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/019,833

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 02/23/2006

PATENT APPLICATION: US/10/019,833

TIME: 12:02:28

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02232006\J019833.raw

3 <110> APPLICANT: The Government of the United States of America as
 4 represented by the Secretary of the Department of Health and
 5 Human Services
 6 Mukherjee, Anil B
 7 Zheng, Feng
 8 Zhang, Zhangjan

10 <120> TITLE OF INVENTION: UTEROGLOBIN IN THE TREATMENT OF IgA MEDIATED AUTOIMMUNE
 DISORDERS

12 <130> FILE REFERENCE: 4239-61375-01
 14 <140> CURRENT APPLICATION NUMBER: 10/019,833
 C--> 15 <141> CURRENT FILING DATE: 2001-10-18
 17 <150> PRIOR APPLICATION NUMBER: PCT/US00/09979
 18 <151> PRIOR FILING DATE: 2000-04-13
 20 <150> PRIOR APPLICATION NUMBER: US 60/130,434
 21 <151> PRIOR FILING DATE: 1999-04-21
 23 <160> NUMBER OF SEQ ID NOS: 35
 25 <170> SOFTWARE: PatentIn version 3.3

Does Not Comply
 Corrected Diskette Needed

(PS.4-5)

27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 70
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 34 Glu Ile Cys Pro Ser Phe Gln Arg Val Ile Glu Thr Leu Leu Met Asp
 35 1 5 10 15
 38 Thr Pro Ser Ser Tyr Glu Ala Ala Asn Glu Leu Phe Ser Pro Asp Gln
 39 20 25 30
 42 Asp Met Arg Glu Ala Gly Ala Gln Leu Lys Lys Leu Val Asp Thr Leu
 43 35 40 45
 46 Pro Gln Lys Pro Arg Glu Ser Ile Ile Lys Leu Met Glu Lys Ile Ala
 47 50 55 60
 50 Gln Ser Ser Leu Cys Asn
 51 65 70
 54 <210> SEQ ID NO: 2
 55 <211> LENGTH: 68
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Oryctolagus cuniculus
 59 <400> SEQUENCE: 2
 61 Gly Ile Cys Pro Arg Phe Ala His Val Ile Glu Asn Leu Leu Leu Gly
 62 1 5 10 15
 65 Pro Ser Ser Tyr Glu Thr Ser Leu Lys Glu Phe Glu Pro Asp Asp Thr
 66 20 25 30
 69 Met Lys Asp Ala Gly Met Gln Met Lys Lys Tyr Leu Asp Ser Leu Pro
 70 35 40 45
 73 Gln Thr Thr Arg Glu Asn Ile Asn Lys Leu Thr Glu Lys Ile Val Lys

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Input Set : A:\sequence listing.txt

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```

74      50      55      60
77 Ser Pro Leu Cys
78 65
81 <210> SEQ ID NO: 3
82 <211> LENGTH: 75
83 <212> TYPE: PRT
84 <213> ORGANISM: Rattus norvegicus
86 <400> SEQUENCE: 3
88 Asp Ile Cys Pro Gly Phe Leu Gln Val Leu Glu Ala Leu Leu Leu Gly ,
89 1      5      10      15
92 Ser Glu Ser Asn Tyr Glu Ala Ala Leu Lys Pro Phe Asn Pro Ala Ser
93      20      25      30
96 Asp Leu Gln Asn Ala Gly Thr Gln Leu Lys Arg Leu Val Asp Thr Leu
97      35      40      45
100 Pro Gln Glu Thr Arg Ile Asn Ile Val Lys Leu Thr Glu Lys Ile Leu
101      50      55      60
104 Ile Ser Pro Leu Cys Glu Gln Asp Leu Arg Val
105 65      70      75
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 75
110 <212> TYPE: PRT
111 <213> ORGANISM: Mus musculus
113 <400> SEQUENCE: 4
115 Asp Ile Cys Pro Gly Phe Leu Gln Val Leu Glu Ala Leu Leu Met Glu
116 1      5      10      15
119 Ser Glu Ser Gly Tyr Val Ala Ser Leu Lys Pro Phe Asn Pro Gly Ser
120      20      25      30
123 Asp Leu Gln Asn Ala Gly Leu Gln Leu Lys Arg Leu Val Asp Ile Leu
124      35      40      45
127 Pro Gln Glu Thr Arg Ile Asn Ile Asn Lys Leu Leu Glu Lys Ile Leu
128      50      55      60
131 Thr Ser Pro Leu Cys Lys Gln Asp Leu Arg Phe
132 65      70      75
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 23
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Primer
143 <400> SEQUENCE: 5
144 ttccaaggca gaacatttga gac
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 21
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Primer
155 <400> SEQUENCE: 6
156 tctgagccag ggttgaaagg c

```

23

21

RAW SEQUENCE LISTING

DATE: 02/23/2006

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TIME: 12:02:28

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02232006\J019833.raw

```

159 <210> SEQ ID NO: 7
160 <211> LENGTH: 23
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer
167 <400> SEQUENCE: 7
168 atcttgctta cacagaggac ttg                                     23
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 20
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Primer
179 <400> SEQUENCE: 8
180 atcgccatca caatcactgt                                         20
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 25
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Primer
191 <400> SEQUENCE: 9
192 atcagagtct gggttatgtgg catcc                                   25
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Primer
203 <400> SEQUENCE: 10
204 ggcacgcgaag gtggaagagt                                       20
207 <210> SEQ ID NO: 11
208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Primer
215 <400> SEQUENCE: 11
216 atggccttcc gtgttcctac                                         20
219 <210> SEQ ID NO: 12
220 <211> LENGTH: 26
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Primer
227 <400> SEQUENCE: 12
228 gaagggtggtg aagcagggcat ctgagg                                26
231 <210> SEQ ID NO: 13

```

RAW SEQUENCE LISTING

DATE: 02/23/2006

PATENT APPLICATION: US/10/019,833

TIME: 12:02:28

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02232006\J019833.raw

232 <211> LENGTH: 20
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer
239 <400> SEQUENCE: 13
240 agaagcctgg atccccctccc 20
243 <210> SEQ ID NO: 14
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Primer
251 <400> SEQUENCE: 14
252 tggaacggcg tccaagagat g 21
255 <210> SEQ ID NO: 15
256 <211> LENGTH: 25
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Primer
263 <400> SEQUENCE: 15
264 ggtgtcacgg aggccacccat tactg 25
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 19
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Primer
275 <400> SEQUENCE: 16
276 atgaaactcg ctgtcaccc 19
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 19
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Primer
287 <400> SEQUENCE: 17
288 tacacagtga gctttgggc
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 9
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Peptide
299 <400> SEQUENCE: 18
301 Met Gln Met Asn Lys Val Leu Asp Ser
302 1 5
305 <210> SEQ ID NO: 19

Pls explain source of
genetic
material.

Invalid
Response

See item
#11 on error
Summary sheet

RAW SEQUENCE LISTING

DATE: 02/23/2006

PATENT APPLICATION: US/10/019,833

TIME: 12:02:28

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02232006\J019833.raw

306 <211> LENGTH: 9
 307 <212> TYPE: PRT
 308 <213> ORGANISM: Artificial sequence
 310 <220> FEATURE:
 311 <223> OTHER INFORMATION: Peptide
 313 <400> SEQUENCE: 19
 315 His Asp Met Asn Lys Val Leu Asp Leu
 316 1 5
 319 <210> SEQ ID NO: 20
 320 <211> LENGTH: 9
 321 <212> TYPE: PRT
 322 <213> ORGANISM: Artificial sequence
 324 <220> FEATURE:
 325 <223> OTHER INFORMATION: Peptide
 327 <400> SEQUENCE: 20
 329 Met Gln Met Lys Lys Val Leu Asp Ser
 330 1 5
 333 <210> SEQ ID NO: 21
 334 <211> LENGTH: 15
 335 <212> TYPE: PRT
 336 <213> ORGANISM: Artificial sequence
 338 <220> FEATURE:
 339 <223> OTHER INFORMATION: Peptide
 341 <400> SEQUENCE: 21
 343 Asp Thr Met Asp Ala Gly Met Gln Met Lys Lys Val Leu Asp Ser
 344 1 5 10 15
 347 <210> SEQ ID NO: 22
 348 <211> LENGTH: 11
 349 <212> TYPE: PRT
 350 <213> ORGANISM: Artificial sequence
 352 <220> FEATURE:
 353 <223> OTHER INFORMATION: Peptide
 355 <400> SEQUENCE: 22
 357 Gly Met Ala Ser Lys Ala Gly Ala Ile Ala Gly
 358 1 5 10
 361 <210> SEQ ID NO: 23
 362 <211> LENGTH: 10
 363 <212> TYPE: PRT
 364 <213> ORGANISM: Artificial sequence
 366 <220> FEATURE:
 367 <223> OTHER INFORMATION: Peptide
 369 <400> SEQUENCE: 23
 371 Gly Ile Gly Lys Pro Leu His Ser Ala Gly
 372 1 5 10
 375 <210> SEQ ID NO: 24
 376 <211> LENGTH: 10
 377 <212> TYPE: PRT
 378 <213> ORGANISM: Artificial sequence
 380 <220> FEATURE:

pls explain source of genetic material.

Invalid response

Same error

Same error

Same error

Same error

See item #11 on error summary sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

DATE: 02/23/2006

PATENT APPLICATION: US/10/019,833

TIME: 12:02:29

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02232006\J019833.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date